



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx CML 19.0061X

Issue No: 0

Certificate history:

Issue No. 0 (2019-05-15)

Status: **Current**

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Date of Issue: **2019-05-15**

Applicant: **Pepperl + Fuchs GmbH**
Lilienthalstrasse 200
68307 Mannheim
Germany

Equipment: **Smart-Ex Watch 01 ***
Optional accessory:

Type of Protection: **Intrinsic safety**

Marking:
Ex ic IIC T5 Gc
Ex ic IIIB T100°C Dc
-15°C ≤ Ta ≤ +50°C

*Approved for issue on behalf of the IECEx
Certification Body:*

A Snowdon MIET

Position:

Certification Officer

*Signature:
(for printed version)*

A Snowdon

Date:

May 15, 2019

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **Pepperl + Fuchs GmbH**
Lilienthalstrasse 200
68307 Mannheim
Germany

Additional Manufacturing location(s):
Ecom instruments GmbH
Industriestraße 2, 97959 Assamstadt
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/CML/ExTR19.0079/00](#)

Quality Assessment Report:

[DE/PTB/QAR06.0008/10](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Smart-Ex Watch 01 * is an intrinsically safe watch for use in hazardous areas requiring equipment protection levels Gc or Dc. The watch comprises a metal body with glass front (touchscreen), non-metallic rear cover, and leather watchband type WB SEW 01 *. The "*" in the part number represents wireless functionality and the equipment is available in two models – the Smart-Ex Watch 01 WiFi and the Smart-Ex Watch 01 LTE.

See Annex for full description and Condition of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

See Annex for Specific Conditions of Use.

Annex:

[IECEx CML 19.0061X Annex Iss 0.pdf](#)

Annexe to: IECEx CML 19.0061X Issue 0
Applicant: Pepperl+Fuchs GmbH
Apparatus: Smart-Ex Watch 01 *



Product description

The Smart-Ex Watch 01 * is an intrinsically safe watch for use in hazardous areas requiring equipment protection levels Gc or Dc. The watch comprises a metal body with glass front (touchscreen), non-metallic rear cover, and leather watchband type WB SEW 01 *. The "*" in the part number represents wireless functionality and the equipment is available in two models – the Smart-Ex Watch 01 WiFi and the Smart-Ex Watch 01 LTE.

The equipment is powered from a single internal cell which is fixed within the equipment and is not user replaceable. The equipment utilises wireless charging and may only be recharged in the safe area.

Intrinsic safety is achieved by limiting energy storage and discharge and by powering from an intrinsically safe battery supply.

Conditions of manufacture

The following are conditions of manufacture

- i. Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.

Specific Conditions of Use

The following conditions relate to the safe installation and/or use of the equipment.

- i. The equipment shall only be used in environments which do not contain conductive pollution. Regular checks shall be carried out to ensure that the enclosure integrity has not been compromised by mechanical impacts, drops, or aging. If there are any signs of damage or of condensation within the enclosure, the equipment shall be removed from the hazardous area.
- ii. The equipment shall not be charged in the hazardous area.
- iii. If the equipment watchband is changed, it shall only be replaced with an identical type supplied by the equipment manufacturer, type WB SEW 01 *.
- iv. The equipment shall not be opened and shall not be field wired to external equipment in the hazardous area (wireless connections are allowed).

